

### **ABSTRACT OF THE DISCLOSURE**

An electrical module assembly includes an electrical module located in the module housing (1) and having an explosion-proof contactless switch (4) including a movable switching element (7) and an actuation element (6) for actuating the switching element (7) from outside, and a sensory electronics (8) for sensing movement of the switch element (7), with the sensory electronics (8) being spatially separated from the switching element (7) by a separation section (9) of the wall (2) of the module housing (1).